

INTERNATIONAL SEARCH REPORT

International Application No.

/US2004/011965

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/82 C07K14/56 A01H5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, Sequence Search, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GASDASKA J ET AL: "Advantages of Therapeutic Protein Production in the Aquatic Plant Lemna" BIOPROCESSING: ADVANCES AND TRENDS IN BIOLOGICAL PRODUCT DEVELOPMENT, WILLIAMSBURG BIOPROCESSING FOUNDATION, US, vol. 2, March 2003 (2003-03), pages 49-55, XP002308458 ISSN: 1538-8786 page 54, column 1, paragraph 1	1-34
Y	WO 02/10414 A (DICKEY LYNN ; GASDASKA JOHN (US); BIOLEX INC (US); STOMP ANNE MARIE (U) 7 February 2002 (2002-02-07) page 21, line 20 - page 22, line 10 ----- -/--	1-34



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

1 February 2005

Date of mailing of the international search report

10/02/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>LEVY W P ET AL: "AMINO ACID SEQUENCE OF A HUMAN LEUKOCYTE INTERFERON"</p> <p>PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US,</p> <p>vol. 78, no. 10, October 1981 (1981-10), pages 6186-6190, XP009042483</p> <p>ISSN: 0027-8424</p> <p>page 6186, column 1, last paragraph</p> <p>-----</p>	1-34
A	<p>WO 02/43650 A2 (VIROGENE LTD; GAL-ON, AMIT; SHIBOLETH, YOEL MOSHE; ARAZI, TSACHI; ILAN) 6 June 2002 (2002-06-06)</p> <p>page 10, line 13 - line 17</p> <p>page 14, line 9 - line 17</p> <p>-----</p>	1-34

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1 - 34 (all partially)

relating to a truncated human alpha-interferon (SEQ ID NOs:1 and 6), polynucleotides encoding said interferon and compositions comprising said interferon.

2. claims: 1 - 34 (all partially)

relating to a truncated human alpha-interferon (SEQ ID NOs:2 and 7), polynucleotides encoding said interferon and compositions comprising said interferon.

3. claims: 1 - 34 (all partially)

relating to a truncated human alpha-interferon (SEQ ID NOs:3 and 8), polynucleotides encoding said interferon and compositions comprising said interferon.

4. claims: 1 - 34 (all partially)

relating to a truncated human alpha-interferon (SEQ ID NOs:4 and 9), polynucleotides encoding said interferon and compositions comprising said interferon.

5. claims: 1 - 34 (all partially)

relating to a truncated human alpha-interferon (SEQ ID NOs:5 and 10), polynucleotides encoding said interferon and compositions comprising said interferon.

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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/US2004/011965

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			CA 2417415 A1	07-02-2002
			CN 1451048 T	22-10-2003
			EP 1305437 A2	02-05-2003
			JP 2004504848 T	19-02-2004
			WO 0210414 A2	07-02-2002
			US 2004261148 A1	23-12-2004
			US 2002088027 A1	04-07-2002
WO 0243650	A2	06-06-2002	AU 2101002 A	11-06-2002
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			EP 1425395 A2	09-06-2004
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			US 2003031648 A1	13-02-2003